

Appl. No.: 10/782,170
Amdt. dated 02/10/2005
Reply to Office action of 12/14/2004

REMARKS/ARGUMENTS

Applicant wishes to thank the Examiner for the thorough review of the present application evidenced by the recent Office Action. Upon the entry of this response, Claims 1-44, 46, and 52-60 remain pending in the present application. Claims 17, 42, and 46 have been amended to overcome prior rejections/objections and Claims 45, 47, 48, 49, 50, and 51 have been cancelled without prejudice.

Claims 17, 42

In the Office Action, Claims 17 and 42 were rejected under 35 U.S.C. 112 second paragraph. The action noted that each of these claims contained the term "the ambient pressure signal" and that this term lacked antecedent basis. It was noted that these claims would otherwise be allowable if rewritten to overcome this rejection. Upon the entry of this response, Claims 17 and 42 have been amended to remove the term "the ambient pressure signal". Applicant respectfully submits that these amendments overcome the prior rejection and place these claims in condition for allowance.

Claim 46

In the Office Action, Claim 46 was objected to as being dependent upon a rejected base claim. It was noted that this claim would be allowable if rewritten in independent form. Upon the entry of this response, Claim 46 has been amended to include all of the limitations of base claim 45 (there were no intervening claims). Applicant respectfully submits that this amendment overcomes the prior objection and places this claim in condition for allowance.

Claims 45, 47, 48, 49, 50, and 51

In the Office Action, Claims 45, 47, 48, 49, 50, and 51 were rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 4,358,928 to Kotwicki. Upon the entry of this

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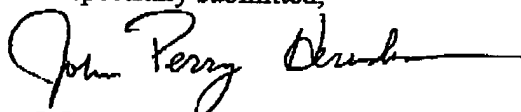
response, Claims 45, 47, 48, 49, 50, and 51 are cancelled without prejudice. Applicant reserves the right to pursue these or similar claims in related applications.

CONCLUSION

Applicant respectfully submits that the present amendments place all of the pending claims of the application in condition for allowance. Applicant respectfully requests that a notice of allowance be issued in the case. If the Examiner has any further questions or issues, the attorney of record in this case welcomes telephone calls at the number listed below.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,



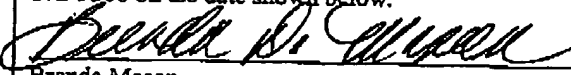
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CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the US Patent and Trademark Office at Fax No. (703) 872-9306 on the date shown below.


Brenda Mason

2/10/05
Date